

PROJECT		GEOGRAPHIC COORDINATES FROM U.T.M. GRID COORDINATES For use of this form, see FM 3-34.331; the proponent agency is TRADOC.								
LOCATION		ORGANIZATION								
ELLIPSOID		CENTRAL MERIDIAN		ZONE	UNIT		FE			
STATION		CM	ELLIPSOID	ZONE	STATION		CM	ELLIPSOID	ZONE	
N		E		N		E				
N'		E'		N'		E'				
φ'		IX		φ'		IX				
VII		q		VII		q				
q <sup>2</sup>		X		q <sup>2</sup>		X				
VIII		q <sup>3</sup>		VIII		q <sup>3</sup>				
q <sup>4</sup>		E <sub>5</sub>		q <sup>4</sup>		E <sub>5</sub>				
D <sub>6</sub>		q <sup>5</sup>		D <sub>6</sub>		q <sup>5</sup>				
q <sup>6</sup>		Δ λ"		q <sup>6</sup>		Δ λ"				
Δ φ"		Δ λ		Δ φ"		Δ λ				
φ		λ		φ		λ				
STATION		CM	ELLIPSOID	ZONE	STATION		CM	ELLIPSOID	ZONE	
N		E		N		E				
N'		E'		N'		E'				
φ'		IX		φ'		IX				
VII		q		VII		q				
q <sup>2</sup>		X		q <sup>2</sup>		X				
VIII		q <sup>3</sup>		VIII		q <sup>3</sup>				
q <sup>4</sup>		E <sub>5</sub>		q <sup>4</sup>		E <sub>5</sub>				
D <sub>6</sub>		q <sup>5</sup>		D <sub>6</sub>		q <sup>5</sup>				
q <sup>6</sup>		Δ λ"		q <sup>6</sup>		Δ λ"				
Δ φ"		Δ λ		Δ φ"		Δ λ				
φ		λ		φ		λ				
N' = N in NORTHERN HEMISPHERE N' = 10,000,000.000 - N in SOUTHERN HEMISPHERE										
E' = E - FE or FE - E		q = 0.000001 *   E'								
Δ φ" = (VII) q <sup>2</sup> - (VIII) q <sup>4</sup> + (D <sub>6</sub> ) q <sup>6</sup>		φ' = φ' - Δ φ								
Δ λ" = (IX) q - (X) q <sup>3</sup> + (E <sub>5</sub> ) q <sup>5</sup>		λ = CM + λ or CM - λ								
COMPUTED BY			DATE (YYYYMMDD)		CHECKED BY				DATE (YYYYMMDD)	